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DECLASS REVIEW by NIMA/DOD

7 September 1961

MEMORANDUM FOR: Chief, TP&DS

SUBJECT: Trip Report (Los Angeles, California, 21-31 August 1961)

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1. The undersigned, along with [redacted] of this office visited the [redacted] for the purpose of monitoring three current contracts: (1) the HTA-3 Wide Film Processor; (2) the Image Quality Meter; and (3) the Image Enhancement Device. The first three days of this period were spent with [redacted] at which time the Image Quality Meter and Image Enhancement Device were extensively discussed. The 13th and 14th Monthly Progress Report, Image Quality Meter, [redacted] and the 14th and 15th Monthly Progress Report, Image Enhancement Program, [redacted] are enclosed.

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✓ 2. The Image Quality Meter is nearing completion and some preliminary tests were conducted on this instrument. The values obtained for acuteness and granularity are fairly valid determinations provided the proper imagery is selected. The values obtained for the resolution reading will require considerable operator judgement as to the type of imagery and the density and the physical location within the format area. This instrument is scheduled for delivery early this fall.

3. The Image Enhancement Device is still in the breadboard stage and an operational test was not possible due to the absence of some component parts. Suggestions for a training and maintenance program on these two instruments are forthcoming from [redacted] [redacted] expressed confidence that density differences in the order of .02 could be expanded to .20 in the toe of the D log E curve. During this period of the visit, final tracking adjustments and calibration of the HTA-3 Film Processor were being carried on concurrently.

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4. On 25 August, the test film was delivered by [redacted] of March Air Force Base. 1800 ft. of thin base film was exposed in a B camera configuration. A similar package of 1800 ft. constituting the right half of the format was forwarded to Westover Air Force Base to be processed in the HTA-4 Film Processor. Since

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